



BIOPHARMA PUMPING SOLUTIONS: STERILOBE® SERIES

ROTARY LOBE PRODUCT LINE



Maximize product recovery with the **NEW** zero dead-leg drain!

FEATURES & BENEFITS

CLEANABILITY

- Cover joint profile improves hygienic characteristics & self-draining capabilities
- Clean & corrosion resistant stainless gear cover & bearing housing

EASE OF MAINTENANCE

- Front loading seals can be changed while the pump is still in-line
- Seal positioned for optimal lubrication, maximizing seal life
- Hassle free gearbox maintenance with sealed for life bearings

PERFORMANCE

- Standard multi-lobe rotors reduce shear & pulsation effect; ideal for sensitive media
- Innovative cusps with reliefs allow for easier cleaning and self draining

CONNECTIVITY

- Vertical or Horizontal
- Drain port options for full drainability
- Available with Triclamp connections (Also other standards inc. aseptic etc.)
- Single and double mechanical seals
- Free from Animal Derivative Ingredients (ADI)

PERFORMANCE

MODELS

Model	Displacement		Max Pressure		Standard Ports		Max Capacity
	USG/rev.	l/rev.	PSI	BAR	In	mm	GPM (m³/h)
SLAS	0.0103	0.039	218	15	.75	19	14 (3.18)
SLAL	0.0156	0.059	145	10	1	25	22 (5)
SLBS	0.0214	0.081	218	15	1	25	25.7 (5.8)
SLBL	0.0322	0.122	145	10	1.5	38	38.7 (8.8)
SLCS	0.0446	0.169	218	15	1.5	38	53.6 (12.2)
SLCL	0.0671	0.254	145	10	2	50	80.5 (18.3)
SLDS	0.093	0.352	218	15	1.5	38	93 (20.5)
SLDL	0.1395	0.528	145	10	2	50	139.5 (31.7)
SLES	0.1934	0.732	218	15	2	50	154.7 (35.1)
SLEL	0.2903	1.099	145	10	3	76	232.3 (52.8)
SLFS	0.4026	1.542	218	15	3	76	241.5 (54.8)
SLFL	0.6036	2.285	145	10	4	101	362.2 (82.3)
SLGS	0.8374	3.17	218	15	4	101	502.5 (114.1)
SLGL	1.2559	4.754	145	10	6	152	753.5 (171.1)



CAPACITY
to 753 GPM
(171 m³/h)



PRESSURE
to 218 PSI
(15 BAR)



VISCOSITY
to 910,000 SSU
(200,000 cSt)



TEMPERATURE
to +300°F
(+150°C)

SEALING

- Single mechanical
- Single mechanical with flush or quench
 - Standard Seal Faces: *C/SiC*
 - Standard O-rings & Cover Seals: *EPDM/FDA*
 - Optional Faces: *SiC/SiC*
 - Optional O-rings & Cover Seals: *FKM, Buna, Silicone, FFKM*
- Double mechanical with flush
 - Seal Faces: *C/SiC/SiC/C* or *SiC/SiC/SiC/C*
 - Standard O-rings & Cover Seals: *EPDM/FDA*
 - Optional Faces: *SiC/SiC*
 - Optional O-rings & Cover Seals: *FKM, Buna, Silicone, FFKM*

NOTE: Elastomers available with USP cl.VI

ROTOR & CASING OPTIONS

- 316L stainless steel pump casing with interior finished to Ra of 0.6µm (24µin)
 - Optional 0.4 µm (16µin) for improved surface finish
- 316L stainless steel rotors
- Electropolish
- 1.4435 low ferrite stainless steel optional
- Multilobe rotors standard
 - Provides reduced shear on shear sensitive fluids
 - Improved performance on thin liquids resulting in less pulsation at higher pressures
- Bi-wing rotors optional
 - No timing required
 - Preferred for large solids

OPTIONAL COMPLIANCE CERTIFICATION DOCUMENTATION & PERFORMANCE TESTS

- | | | |
|-------------------------------------|----------------------------|----------------------------|
| ■ Pump Performance | ■ Media Contact Elastomers | ■ Pump Assembly Inspection |
| ■ General Compliance | ■ Seal Face | ■ Certified Documents |
| ■ Media Contact Metallic Components | ■ Surface Finish | ■ ATEX & CE |

TYPICAL APPLICATIONS

- | | | |
|------------------------------------|------------------------------|-------------------------------|
| ■ Tangential Flow Filtration (TFF) | ■ Virus / Sterile Filtration | ■ Buffer Mixing & Formulation |
| ■ Depth Filtration | ■ Chromatography | ■ Fill & Finish |
| ■ Process Transfer | | |

BENEFITS OF MAINTENANCE KITS

- Everything you need in one place
- Reduce frequency of repairs
- Increase service life
- Increase uptime
- Save time & money



REBUILD VS. REPLACE

- Kits are designed to save time & money, making preventive maintenance easier & more cost-effective
- Pumps are designed & built to the highest standards, for long life & to be rebuilt instead of replaced when applicable
- Tool kits also available



**VIKING
PUMP®**
HYGIENIC

VIKING PUMP HYGIENIC

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IDEX